



1637  
[Signature]

Atty. Docket No.: 5568/1012

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Muraca  
Serial No.: 09/888,362  
Filed: June 22, 2001  
Entitled: Frozen Tissue Microarrays and  
Methods for Using the Same

Examiner: Spiegler,  
Alexander H.  
Group Art Unit: 1637  
Conf. No.: 8909

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8a**

I hereby certify that this correspondence (and any paper or fee referred to as being enclosed) is being deposited with the United States Post Office as First Class Mail on the date indicated below in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231.

Bethany Stokes

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*Bethany Stokes*

Signature of Person Mailing Paper

Commissioner for Patents  
Washington, D.C. 20231

**TRANSMITTAL LETTER**

Enclosed for filing in the above-identified patent application, please find the following documents:

1. Response to Office Action mailed January 13, 2003;
2. Supplemental Information Disclosure Statement;
3. PTO Form 1449 citing 15 references;
4. Copies of 15 cited references;
5. Check in the amount of \$180.00 for the requisite fee; and
6. Return Post Card.

The Commissioner for Patents is hereby authorized to charge any additional fees or credit any overpayment in the total fees to Deposit Account No. 16-0085, Reference No. 5568/1012. A duplicate of this transmittal letter is enclosed for this purpose.

Respectfully submitted,

Date: April 14, 2003

*Paula Campbell Evans*

Name: Paula Campbell Evans  
Registration No.: 32,503  
Customer No.: 29932  
Palmer & Dodge LLP  
111 Huntington Avenue  
Boston, MA 02199-7613  
Tel: 617-239-0100



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Washington, D.C. 20231

AMENDMENT AND REPLY

Sir:

This Amendment is being filed in response to the Office Action mailed from the U.S.

Patent and Trademark Office on January 13, 2003 in the above-identified application.

Reconsideration and further examination are requested.

Please enter the following amendments and remarks.

AMENDMENTSIn the specification:

Please replace the paragraph at page 40, lines 4 through 12, with the following paragraph:

AI

In one aspect, a frozen microarray is contacted with a molecular probe (e.g., an antibody, nucleic acid, and/or aptamer probe) reactive with a biomolecule and the reactivity of the molecular probe is measured to provide an indication of the presence, absence, or form of the biomolecule. Reactivity can be any of: binding, cleavage, processing, and/or labeling, and the like. Preferably, reactivity of the molecular probe with test samples in the microarray is compared with reactivity of the molecular probe with one or more control samples on the same or a different microarray comprising a known amount and/or form of the biomolecule. Molecular profiling can be performed